

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/036983 A2

- (51) International Patent Classification⁷: **A23L**
- (21) International Application Number:
PCT/US2004/034361
- (22) International Filing Date: 18 October 2004 (18.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/511,777 16 October 2003 (16.10.2003) US
- (71) Applicant (for all designated States except US): **POUCH PAC INNOVATIONS, LLC.** [US/US]; 1610 Northgate Blvd., Sarasota, FL 34234 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MURRAY, Charles, R.** [US/US]; 453 South Polk Drive, Sarasota, FL 34236 (US).
- (74) Agents: **ANDERSON, Thomas, E. et al.**; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C., Suite 400, 280 N. Old Woodward Avenue, Birmingham, MI 48009 (US).

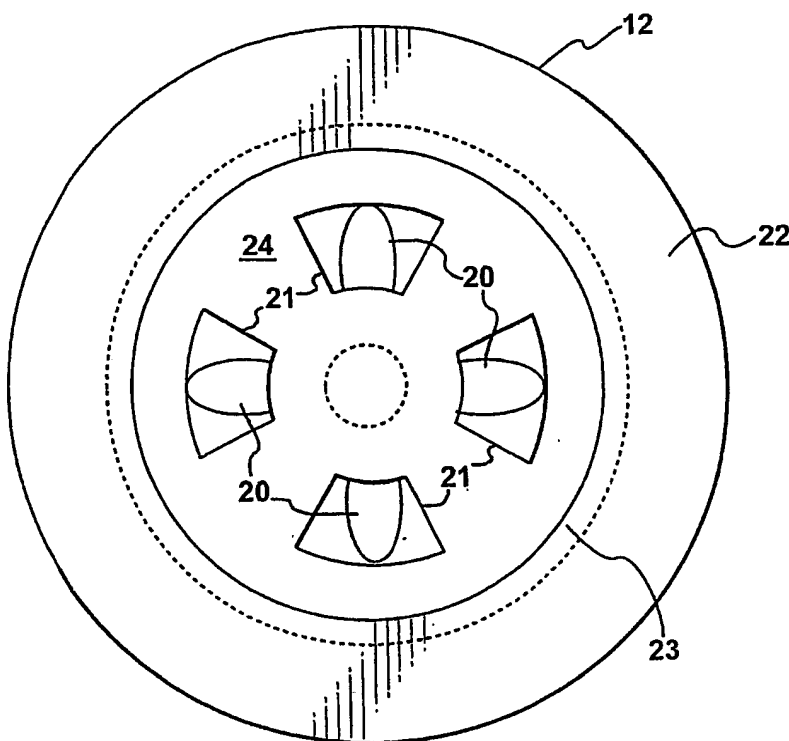
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: **PACKAGING RELEASE VALVE FOR MICROWAVABLE FOOD ITEMS**



(57) Abstract: A valve assembly is provided for venting pressurized gases generated from within an enclosed package during a heating of the package. The valve assembly has a membrane element, a tubular body and a retaining member. The tubular body has an open end, a closed end and a recess defined therebetween. The closed end has an aperture for venting the pressurized gases therethrough. The recess is operative to receive and support the membrane element adjacent the closed end. The retaining member is operative for snapfit engagement with the tubular body for retaining the membrane element within the recess.

WO 2005/036983 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.